

Learning Outcomes for N107 Lorry Loader

Learning Outcome	Instructor Notes
<p>Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a plant operator</p>	<p>Explain the structure of the course and the need to comply with your instructions at all times • Explain that the industry is very dangerous and that only safe working practices will be adopted throughout the course • Personal safety is not just the absence of physical injury, can be affected by noise, vibration and can lead to lost time, lost income, expense for the employer, etc • Explain Health & Safety at Work Act 1974, Restraining systems in accordance with risk assessment, PUPER Regulations, LOLER Regulations and other relevant legislation • Remind learners that operators have moral obligations, legal obligations and environmental obligations • Explain reporting structures, the importance of good communication on site (colleagues, management, and other workers on site)</p>
<p>Have a working knowledge of the manufacturer's handbook and other sources of information, regulations and legislation applicable to the particular machine to be used</p>	<p>Explain the importance of the manufacturer's handbook and that it will be used throughout the course. Stress that it has to be used in alliance with all relevant legislation • Explain duty charts and rating plates • Machine decals • PPE • Codes of Practice • Lift plans • Method statements • Lifting requirements and limitations of lorry loaders • BS 7121 part 4 • Inspection and reporting procedures etc</p>
<p>Be able to locate and identify the major components of the vehicle and loader crane and explain their functions</p>	<p>Explain the different types of components • Explain the function of the components and how they all contribute to the safety and operational integrity of the machine • Explain, power units • Hydraulic systems • Chassis / steering / tyres • Stability • Booms / jibs • Slewing • Attachments • Safety systems etc</p> <p>Explain the different controls and their functions • Explain how correct and sympathetic use of the controls can ensure safety and stability of the machine and help prolong machine life by reducing wear and tear. Refer to the manufacturer's handbook, codes of practice, decals</p>
<p>Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements</p>	<p>Explain the importance of pre-operational checks and legal implications of using a machine without having checked it • Go through the sequence of checking. Use manufacturer's handbook, check sheet, defect reporting procedure etc</p>
<p>Configure the vehicle and loader crane ready for travel</p>	<p>Explain driving controls • Travel configuration • Attachments • Visibility • Loader crane security • Driving position • Road Traffic Act (if applicable)</p>
<p>Configure the machine for travel and manoeuvre it safely across varying terrain in open and confined areas</p>	<p>Explain and demonstrate the following: Driving controls • Ground conditions • Working area • Site routes • Traction • Axle weights • Site hazards • Visibility in confined areas • Tight turns • Height restrictions • Hazards associated with confined areas etc</p>

Learning Outcomes for N107

Lorry Loader

Learning Outcome	Instructor Notes
Conduct all necessary safety checks at the work area	Explain how to carry out all necessary safety checks including: Vehicles • Ground conditions • Overhead obstructions • Power lines • Minimum clearances • Buried services • Other workers etc
Manoeuvre the machine to the work area and correctly configure in readiness to carry out lifting duties	Explain all safety procedures to be adopted including: Positioning of vehicle required configuration in relation to lift plan • Crane controls • Levelling • Working on inclines • Site hazards etc
Correctly deploy the stabilisers according to stated specifications	Explain different types of stabilisers • Ground support • Load bearing pressure • Packing • Load spreading, inclines • Uneven ground etc
Comply with all requirements for Rated Capacity Indicators or Load Moment Indicators	Explain different types of Rated Capacity Indicators (RCI) • Load Moment Indicators (LMI) • Regulations • Functions • Testing and programming • Principles of operation etc
Identify weights and centres of gravity of loads to be used	Explain the checks to be made including: Material types • Weather conditions • Moisture content in loads • Load integrity and security • Centre of gravity • Load shape etc
Carry out lifting operations using the full capabilities of the loader crane	Explain load charts • Lift plans • Use of controls • Observations • Lifting accessories and attachments • Stability of vehicle • Stability of loads • Trial lifts • Signalling • Visibility • Weather conditions • Load swing • Boom deflection • Site hazards etc
Position loads accurately at designated locations including onto and from the vehicle	Explain procedures to be adopted including: Checking ground conditions • Visibility • Weight distribution • Stability of loads and vehicle • Type of lift (basic, intermediate, complex) • Signalling procedures • Requirement for Appointed Person if necessary • Lift plan etc
Identify, fit and remove various attachments and lifting accessories as appropriate	Explain different types of accessory and attachment • Limitations of use • Pre-use checks • Thorough examination and certification • LOLER Regulations • Slinging methods • Slings training etc
Minimise load swing and ensure load security on the vehicle	Explain techniques • Speed of operation • Slewing • Stability • Observation of loads and machine • Accessories etc
Carry out all end of shift and shut down procedures	Explain and demonstrate procedures to be adopted including: Safe parking • Shut down procedures and machine security
The learning outcomes listed should not be considered in isolation and may be added to in order to accurately reflect the learner's duties and working environment	